



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

75710-3

Date of Issuance:

12/22/2016

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

MAQS+

Name and Address of Registrant (include ZIP Code):

NOD Apiary Products USA, Inc.
8345 NW 66th Street, #8418
Miami, FL 33166

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.
2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

Andrew Bryceland, Team Leader
Biochemical Pesticide Branch
Biopesticides and Pollution Prevention Division (7511P)
Office of Pesticide Programs

Date:

12/22/2016

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 75710-3."
4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated 10/28/2016

Any CSFs other than those listed above are superseded.

If you have any questions, please contact Gina Burnett of my team by phone at (703) 605-0513 or via email at burnett.gina@epa.gov.

Sincerely,

A handwritten signature in blue ink, reading "Andrew C. Bryceland".

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure



ACCEPTED

12/22/2016

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 75710-3

For treatment of Varroosis caused by *Varroa destructor* in honey bees (*Apis mellifera*)

Active Ingredient

Formic Acid (including formates)... 42.6%

Other Ingredients.....57.4%

Total.....100.0%



KEEP OUT OF REACH OF CHILDREN

DANGER-POISON

CORROSIVE TO SKIN AND EYES

PELIGRO-Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

SEE PACKAGING LEAFLET FOR FIRST AID AND PRECAUTIONARY STATEMENTS

EPA Reg. No. 75710-XXX

EPA Establishment No. 075710-CAN-001

BATCH CODE: XX-XXX-X

EXPIRY: MM/YYYY

NOD Apiary Products USA Inc.
P.O. Box 117, 2325 Frankford Road,
Frankford, Ontario, Canada K0K2C0
www.nodglobal.com

Product Information Contact: (866) 483-2929 or info@nodglobal.com



Net Contents:

2 Doses (4 strips) or 10 Doses (20 strips) or 25 Doses (50 strips) or 500 Doses (1,000 strips)

Keeping varroosis under control with MAQS+™ requires the single application of a 2 strip (full dose) treatment every 3 to 4 months when the colony is raising brood. Use MAQS+™ as part of an overall Integrated Pest Management disease control program.

Precautionary Statements

First Aid Treatment	
If inhaled	<ul style="list-style-type: none">● Move person to fresh air.● If a person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.● Call a poison control center or doctor for further treatment advice
If on skin or clothing	<ul style="list-style-type: none">● Take off contaminated clothing.● Rinse skin immediately with plenty of water for 15-20 minutes.● Call a poison center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none">● Hold eye open and rinse slowly and gently with water for 15-20 minutes.● Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.● Call a poison center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">● Call a poison control center or doctor for further treatment advice.● Have a person sip a glass of water if able to swallow.● Do not induce vomiting unless told to do so by the poison control center or doctor.● Do not give anything to an unconscious person.
Poison Control Center HOTLINE NUMBER 1-800-222-1222 Have the product container with you when calling a poison control center or doctor, or when going for treatment.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS DANGER - PELIGRO

Corrosive. Causes skin burns and irreversible eye damage. Harmful if absorbed through the skin. Do not get in eyes, on skin, or on clothing. Harmful if inhaled. Avoid breathing vapor. Applicators and other handlers must wear coveralls over a long-sleeved shirt, long pants, socks and shoes, acid resistant gloves (PVC, neoprene, or nitrile), and protective eyewear. Remove and wash contaminated clothing before reuse. Wash skin thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

For terrestrial use: Do not apply directly to water or to areas where surface water is present or to

intertidal areas below the mean high water mark. Do not contaminate water when disposing of used container, wash water or rinsate.

PHYSICAL OR CHEMICAL HAZARDS

Corrosive - Do not allow product to contact metal surfaces. Do not place, even briefly, on metallic hive covers. Store unused product in original container.

Handler Personal Protective Equipment (PPE): Applicators and other handlers must wear coveralls over a long-sleeved shirt, long pants, socks and shoes, acid resistant gloves (PVC, neoprene, or nitrile), and protective eyewear. Clean or replace PPE at end of each day's work period. Rinse off pesticides at rest breaks. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

Users should remove Personal Protective Equipment/clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing. Replace chemical gloves if punctured or stretched.

Have water readily available should skin or eye contact occur.

Only use outdoors, stand upwind of product. Use caution when opening the container, especially in warm weather.

General Information

Varroa mites reproduce and feed on the pupating honey bee larvae developing under the brood caps, transmitting viruses that cause deformities, weakening the bees, leading to colony collapse. MAQS+™ causes mortality to both male and female varroa under the brood cap as well as the varroa on the adult bees. When the male mites are killed before reaching sexual maturity, surviving sister offspring will be infertile. MAQS+™ treats varroa as a brood disease.

Formic acid is a bio-pesticide which is a natural component of honey. MAQS+™ is a formic acid polysaccharide gel strip wrapped in eco-paper, which acts as a wick to control the release of the formic acid vapors.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

MAQS+ can be used any time of the year when the conditions herein are met. Use MAQS+™ as part of an Integrated Pest Management (IPM) program. For severe varroa infestations allow one month between applications. It is recommended to perform a mite level check 1 month post application. It is recommended to treat all colonies in the apiary at the same time.

It is highly recommended to apply a treatment in the spring to protect the bees going into the

honey flow, and then to apply another treatment late summer to protect the bees that will make up the winter cluster. In warmer climates additional treatments may be necessary due to ongoing brood rearing. Always allow at least one month between applications.

MAQS+™ is designed for use with standard Langstroth equipment or equivalent (e.g. Dadant}, single or double brood chamber hives, with the colony cluster covering a minimum of 6 frames (approximately 10,000 bees).

The treatment period is 7 days. Colonies should have good food reserves at start of treatment, and should not be fed during the treatment period. Outside daytime temperature highs should be between 50- 85°F during the first three days. Hot temperatures (>92°F) during the first three days may cause excessive brood mortality and queen loss. Brood and bee mortality of up to 2 cups is natural and may be observed. Do not destroy queen cells that may be observed prior to or post treatment. Supercedure, even if thought to be set in motion by treatment, is a natural process and should be allowed to proceed for the health of the colony. Verify colonies are queen right one month after treatment. Mother and daughter queens present post-treatment is not uncommon.

APPLICATION: Disturb colony activity as little as possible during the application process. Colonies require adequate access to fresh air during treatment. An entrance must be provided that is the full width of the hive, typically the bottom board entrance, minimum height 0.5 inches. The bottom hive entrance must be fully open for the entire duration of treatment. Any restriction on the hive entrance into the brood chamber (e.g. reducer or mouse guard) must be removed to prevent excessive damage to the colonies. Screen bottom boards should be closed off during treatment to prevent formic acid vapor loss. The bees control the concentration of formic acid in the brood chamber air with fanning behavior at the hive entrance(s). Bees are not built to move air up through a screen bottom board, so screen bottoms should not be considered a source of fresh air for the colony.

Once the hive is prepared, carefully remove the strips from the sachet and separate the two strips.

DO NOT REMOVE THE ECO-PAPER WRAP - IT ACTS AS A WICK.

For hives with single brood chambers: Lay the strips across the top bars of the frames of the brood chamber, staggering them so they lay flat and across the full width of the hive body, with approximately 2 inches between strips and 4 inches between the ends of the brood chamber and the outer edges of the strips. Refer to the Application Options pictogram.

For hives with two brood chambers: Place the strips, as described above, on the top bars of the frames of the lower brood chamber, so the strips are in the bee space between the top and bottom brood chambers. No additional rim should be used. Refer to the Application Options pictogram.

Put on a honey super complete with frames at time of application if necessary to provide adequate space for strong colonies to expand, or if a honey flow is expected. It is acceptable to have queen excluders in place.

Post Application: Colonies are expected to expand the cluster as part of controlling vapor concentration during the first 3 days of treatment. Bearding behavior may be observed. **Do not disturb the colony during the 7 day treatment period.** Spent strips do not need to be removed. If they are removed, dispose of by composting.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store indoors, in original container, out of direct sunlight, in a cool, dry and well-ventilated area away from sulphuric acid, oxidizing agents, and sources of ignition and away from the reach of children. Avoid heat, sparks, and open flames. Do not eat, drink or smoke in areas of use or storage. Use caution when opening the container, especially in warm weather (i.e.: open outdoors and stay upwind). Keep separate to prevent cross contamination of other pesticides, fertilizer, food, or feed.

FOR DISPOSAL OF UNUSED, UNWANTED OR DAMAGED PRODUCT: CONTACT THE MANUFACTURER or the National Pesticide Information Center at 800-858-7378 (www.npic.orst.edu).

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or (800-858-7378/ www.npic.orst.edu) for disposal instructions.

SACHET DISPOSAL: Rinse or air dry empty sachet, wearing PPE, and then dispose in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to these label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Warranty Statement:

To the extent consistent with applicable law, the pesticide manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product, or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.

MAQS+™ COMPONENTS

US patent No. US9101132

OUTER SACHET:

Contains 2 strips.
Cut open, carefully
remove and separate
the strips.

FORMIC ACID GEL MATRIX:

Formic Acid polysaccharide gel strip. The
active ingredient remains stable over time.

ECO-PAPER WRAP WICK: **DO NOT REMOVE**

Biodegradable paper wrap designed to act as a wick to control
the release of the formic acid vapors over the 7 day treatment period.

APPLICATION OPTIONS

